Frenos Sauleda s.a.
SCIENCE FRICTION

Barri del migdia S/N - E 08396
Sant Cebrià de Vallalta (Barcelona - Spain)
sauleda@frenossauleda.com
Tel. (+ 34) 93 763 11 20 Fax (+ 34) 93 763 10 61

ID Material: 99
Rble: R. Antich
Revision: 0
Last updated: 30/07/2021

D3920

D3920 is a rigid moulded friction material, light green in colour. D3920 is a non-asbestos basis of short steel filaments in a random dispersion to enhance its heat dissipation properties and strength. It incorporates a blend of carefully selected friction modifiers and a binder which has been specially developed to enhance its properties. Whilst not affected physically by slight oil contamination, this material is not intended to operate in oil.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, 100ºC):	0.38	µ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	300	°C

Physical properties

Hardness (DIN53505):	75±5	Shore-D
Specific Gravity (ASTM D792):	2.3±0.5	gr/cm3
Thermal Conductivity (ASTM E1952):	1.034	W/m°K

Mechanical properties

Tensile Strength (ASTM D638):	15±5	N/mm^2
Compressive Strength (ISO 844:2014):	90±10	N/mm^2
Ultimate Shear Strenght (ASTM D732):	12±2	N/mm^2

Recommended Working Values

T° Max. Continuous Operation:	175	°C
T° Max. Intermittent Operation:	225	°C
Max. Rubbing Speed:	25	m/s

Material type : Flexible material

Appearance / Formats

Rolls

Applications

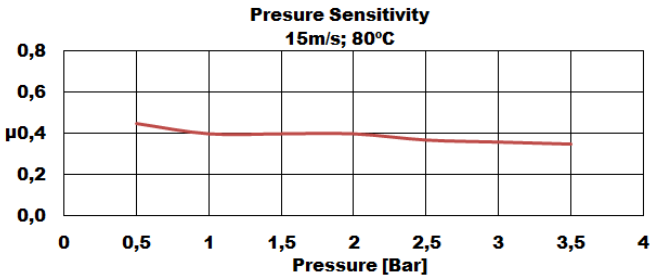
Crane and excavator brakes and clutches - Industrial drum and brand brakes - Miscellaneous industrial brakes / clutches

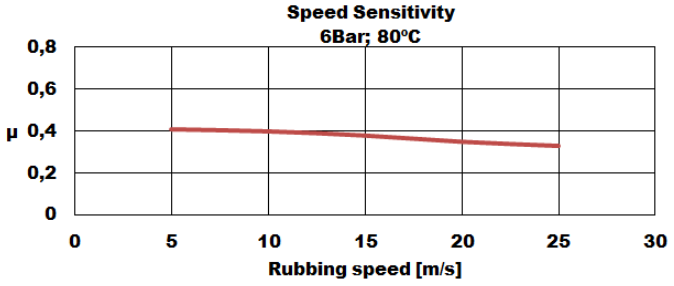
Price Level : € € €

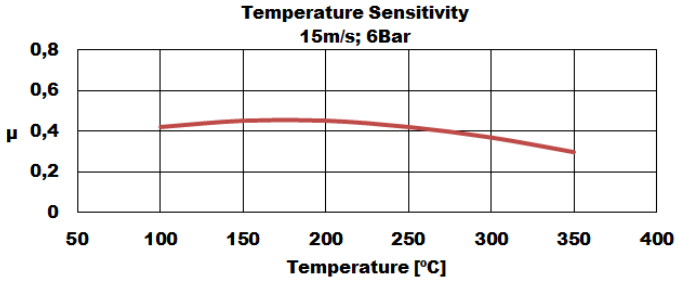
Reach (EC)1907/2023 - RoHS 2015/863/EU : Yes

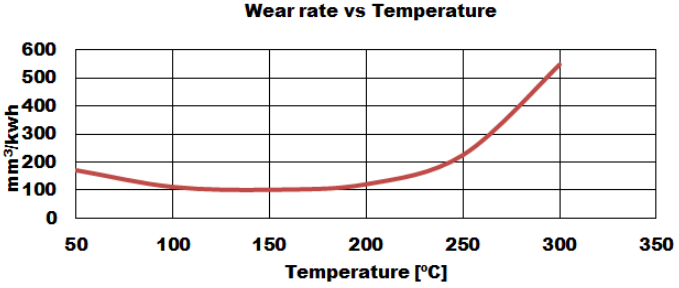
Others

Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive
Oil Resistant:	No









Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.